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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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07/11/2008

FREESCALE SEMICONDUCTOR, INC. LAW DEPARTMENT 7700 WEST PARMER LANE MD:TX32/PL02 AUSTIN, TX 78729

EXAMINER				
NGUYEN, MATTHEW VAN				
ART UNIT	PAPER NUMBER			
2838	-			

DATE MAILED: 07/11/2008

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Ī	10/598.955	09/15/2006	Jerome Enjalbert	SC13308ET	2522

TITLE OF INVENTION: LOW DROP-OUT DC VOLTAGE REGULATOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	10/14/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notification	correspondence including ed below or directed other tions.	ng the Patent, advance of herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees w pondence address;	vill be and/or	mailed to the current (b) indicating a sepa	correspondence address as arate "FEE ADDRESS" fo
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AUSTIN, TX 78	8729						(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/598,955	09/15/2006	•	Jerome Enjalbert		•	SC13308ET	2522
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nonprovisional	NO	\$1440	\$300	\$0		\$1740	10/14/2008
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
NGUYEN, MA	ATTHEW VAN	2838	323-282000				
<ul> <li>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</li> <li>Lead Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</li> <li>"Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</li> </ul>		nge of Correspondence	(1) the names of up to or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent atto	or printing on the patent front page, list the names of up to 3 registered patent attorneys gents OR, alternatively, the name of a single firm (having as a member a stered attorney or agent) and the names of up to gistered patent attorneys or agents. If no name is d, no name will be printed.			
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident th in 37 CFR 3.11. Comp GNEE	ified below, no assignee oletion of this form is NO	T a substitute for filing an  (B) RESIDENCE: (CITY	atent. If an assign assignment. and STATE OR C	COUNT	'RY)	ocument has been filed for
Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent): $\Box$	Individual 🖵 Co	orporati	on or other private gro	oup entity 🖵 Government
4a. The following fee(s) are submitted:  ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	d. Form PTO-2038	is atta	ched. required fee(s), any de	
	ns SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no lon	-			
NOTE: The Issue Fee an interest as shown by the	nd Publication Fee (if requesion records of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than t Office.	he applicant; a regi	stered a	attorney or agent; or th	ne assignee or other party in
Authorized Signature				Date			
				Registration No.			
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LAW DEPARTMI			ART UNIT	PAPER NUMBER	
	MER LANE MD:TX32	/PL02	2838		
AUSTIN, TX 78729			DATE MAILED: 07/11/2008		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 239 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 239 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No.	Applicant(s)
10/598 955	ENJALBERT, JEROME
Examiner	Art Unit
MATTHEW V NGUYEN	2838
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nder 35 U.S.C. § 119(a)-(d) or (f).  been received.  been received in Application Nocuments have been received in the	
IENT of this application.	ΓΟ-948) attached
he header according to 37 CFR 1.1	21(d). L must be submitted. Note the
5. ☐ Notice of Informa 6. ☐ Interview Summa Paper No./Mail 7. ☐ Examiner's Ame 8. ☒ Examiner's State 9. ☐ Other	ary (PTO-413), Date
	Interview Summer  10/598,955  Examiner  MATTHEW V. NGUYEN  Pars on the cover sheet with the (OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subject and MPEP 1308.  106.  Inder 35 U.S.C. § 119(a)-(d) or (f) or

Application/Control Number: 10/598,955 Page 2

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1. The International Search Report filed on 9/15/06 and all of references cited therein have been considered.

- 2. The following is an examiner's statement of reasons for allowance: none of prior art of record taken alone or in combination shows a low drop-out DC voltage regulator for regulating a voltage from a DC power supply applied to a load at an output of the regulator and comprising: a pass device for controlling flow of current from said power supply to said load so as to control the output voltage at said regulator output; and a feedback loop for controlling said pass device, said feedback loop comprising; a resistive feedback path and a capacitive feedback path that includes a feedback capacitive element in series; and comparator means responsive to signals from said feedback paths for applying to said pass device an error signal that is a function of the value of said output voltage relative to a nominal value so as to control said output voltage, characterised in that said comparator means comprises feedback current producing means by maintaining a common point of said resistive feedback path and said capacitive feedback path at a reference voltage so as to produce a feedback current flowing in said resistive feedback path and in said capacitive feedback path in parallel between said regulator output and said common point, and current comparison means responsive to relative values of said feedback current and of a reference current for producing said error signal.
- 3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MATTHEW V. NGUYEN whose telephone number is (571)272-2081. The examiner can normally be reached on 8 HOURS M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, AKM ULLAH can be reached on (571)272-2361. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MATTHEW V NGUYEN/
Primary Examiner, Art Unit 2838